

injection molding tool or the mounting on plastic elements are thus automatically dispensed, and as a result the production costs can be reduced considerably, especially with a view to large-scale mass production.

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The leaf spring elements can have a thickness that varies over their length. As a result, the thickness can be adapted to the magnitude of the stresses acting in the component, resulting in the least possible elongation of the leaf spring elements. Thus any possible overload from excessive tensions or elongation that can lead to relaxation or creep of the leaf spring element is prevented.

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To enable assuring optimal spring properties of the leaf spring elements, the leaf spring elements can protrude into the reinforced middle region. As a result, the recoil function of the clamping element can reliably be assured.

The leaf spring elements can have a curvature, so that at the connecting points to the clothes hanger they have an angle of inclination of preferably 1 -35° relative to the horizontal. As a result of this curvature, the spring behavior and the recoil of the leaf spring elements as well as the contact pressure on the article of clothing fastened in them are improved.

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B 7 Summary of the Invention

So that the clamping element will snap open and closed readily when the article of clothing is fastened in it or when the clamping element is opened, on both ends it can have a respective joint for articulated connection to the clothes hanger.

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Advantageously, the clamping element can be made from plastic, preferably POM, polycarbonate, or impact resistance modified polystyrene.

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B 7 Brief Description of the Drawings

1 7 Description of the Preferred Embodiments

To attain higher clamping forces and an improved recoil function, a glass fiber reinforced plastic, such as POM-GF can also be used.

5 If the clamping element is made of an amorphous plastic, such as polycarbonate, then the leaf spring elements in particular have less tendency to relax.

10 It is also possible to make the clamping element in a single operation, without separate assembly steps.

For the sake of simple production, the reinforced middle region and the leaf spring elements can be embodied as a one-piece injection-molded part.

Various exemplary embodiments of clamping elements according to the invention will be described in further detail below in conjunction with the accompanying drawing.

Specifically:

Fig. 1 shows a side view on a clamping element;

25 Fig. 2 is a side view on a second clamping element, mounted in a clothes hanger.

30 Fig. 1 shows a clamping element 10, made entirely of plastic, which has two leaf spring elements 11 and 12. The leaf spring elements 11 and 12 protrude with the portions 13 and 14 into a reinforced middle region 15. As a result of the reinforced middle region 15 and the elements 13 and 14 protruding into it, the leaf spring elements 11 and 12 are provided with optimal snap properties, which are helpful in fastening an article of clothing or in opening the clamping
35 element 10. The leaf spring elements 11 and 12 have a thickness that varies over their length. As a result, a

uniform distribution of tension and elongation over the length of the leaf spring elements 11 and 12 is attained. Relaxation or creep of the leaf spring elements 11 and 12 can thus be averted. The leaf spring elements 11 and 12, together with their portions 13 and 14 and the reinforced middle region 15, can advantageously be embodied as a one-piece plastic injection-molded part. A joint element 16 and 17 for articulated support on a clothes hanger, not shown in further detail, is mounted on each of the ends of the leaf spring elements 11 and 12.

Fig. 2 shows a clamping element 21 mounted in a clothes hanger 20 and having two outer leaf spring elements 28, 29 and a reinforced middle region 26 of plastic. On the ends of the leaf spring elements, joint elements 22 and 23 are placed in joint receptacles 24 and 25 on the clothes hanger 20. For fastening an article of clothing, not shown here, the clamping element 21 is pressed downward, whereupon a reinforced middle region 26 presses the article of clothing against a transverse support 27 of the clothes hanger 20 and thus holds it firmly. The clamping element 21 can be released from its clamping position again by pulling on the middle region 26 or pressing on one of the leaf spring elements 28, 29.